



(19)

PCI/CA2004/001433

D10

(11) Publication number:

5:

Generated Document.

PATENT ABSTRACTS OF JAPAN

(21) Application number: 54031168

(51) Intl. Cl.: A23J 1/14

(22) Application date: 19.03.79

(30) Priority:

(43) Date of application
publication: 25.09.80(84) Designated contracting
states:(71) Applicant: NODA SANGYO KAGA
KENKYUSHO(72) Inventor: KOSHIYAMA IKUNORI
FUKUSHIMA DANJI

(74) Representative:

(54) PREPARATION OF 7S
PROTEIN

(57) Abstract:

PURPOSE: To obtain 7S proteins (P) in simple procedures efficiently, by extraction of P from soybeans at a specific pH, and by precipitation of the extract at an isoelectric point.

CONSTITUTION: Soybeans or defatted soybeans (B) directly or pulverized are incorporated with water or a salt solution, e.g. sodium or potassium chloride, in an amount of 10W20 times that of B, and adjusted to a pH 5.40W5.85, preferably 5.60W5.80, with acetic or hydrochloric acid, and proteins are extracted with stirring if necessary. The extract thus obtained is centrifuged to remove a precipitation fraction consisting mainly of 11S proteins. The supernatant is adjusted to pH4.5, and subjected to precipitation at an isoelectric point. The pH of the resulting precipitated proteins are made neutral, and subjected by gel or ultrafiltration to remove low-molecular protein